



# Vehicle Overview

John R. Bacon  
President

March, 2006

# BAF Technologies: BAF Headquarters – Dallas, Texas

2



# BAF Technologies: Upfit Facilities

3



**Rancho Cucamongo, CA**



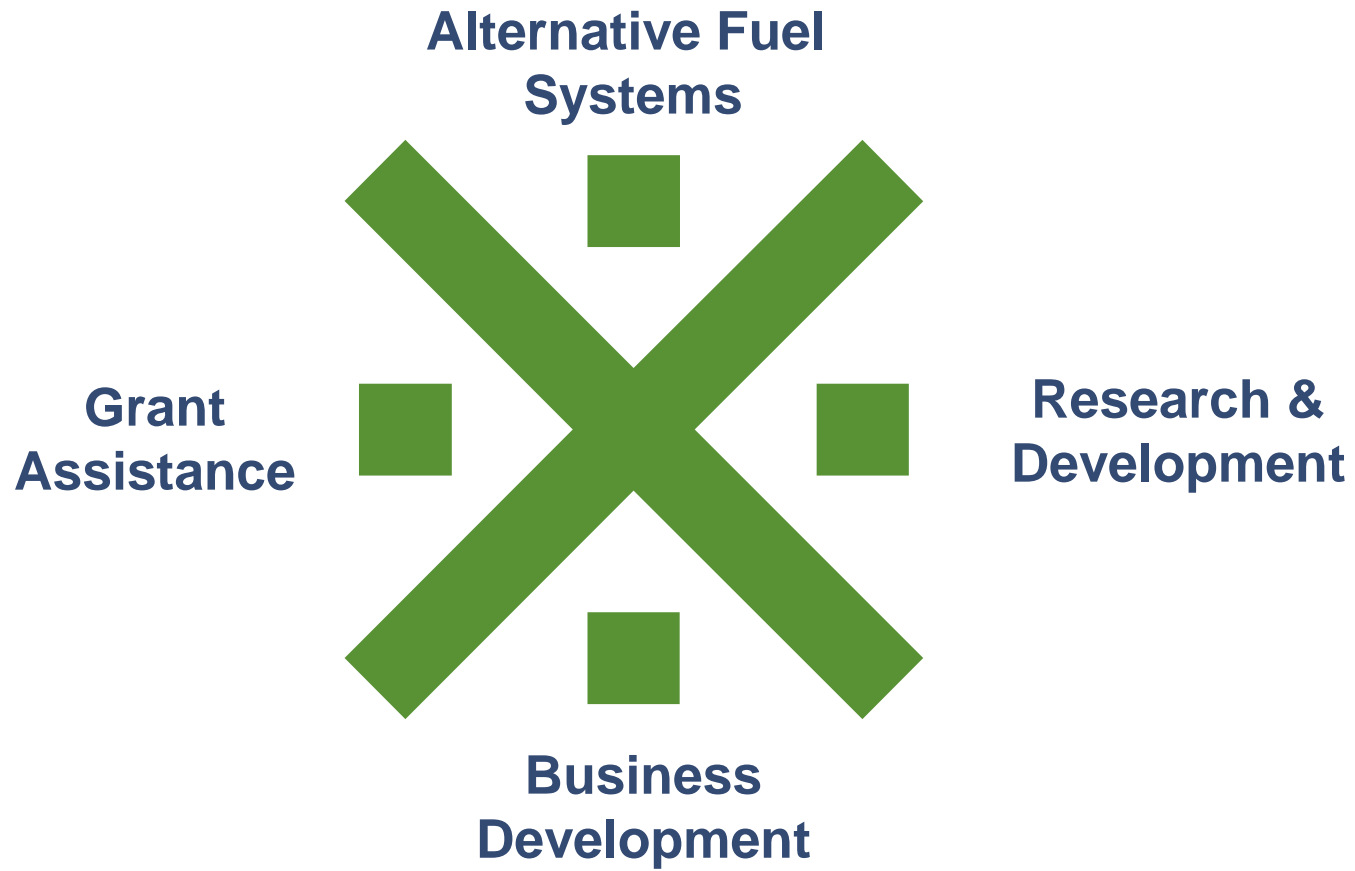
**Rome, NY**



**Fresno, CA**

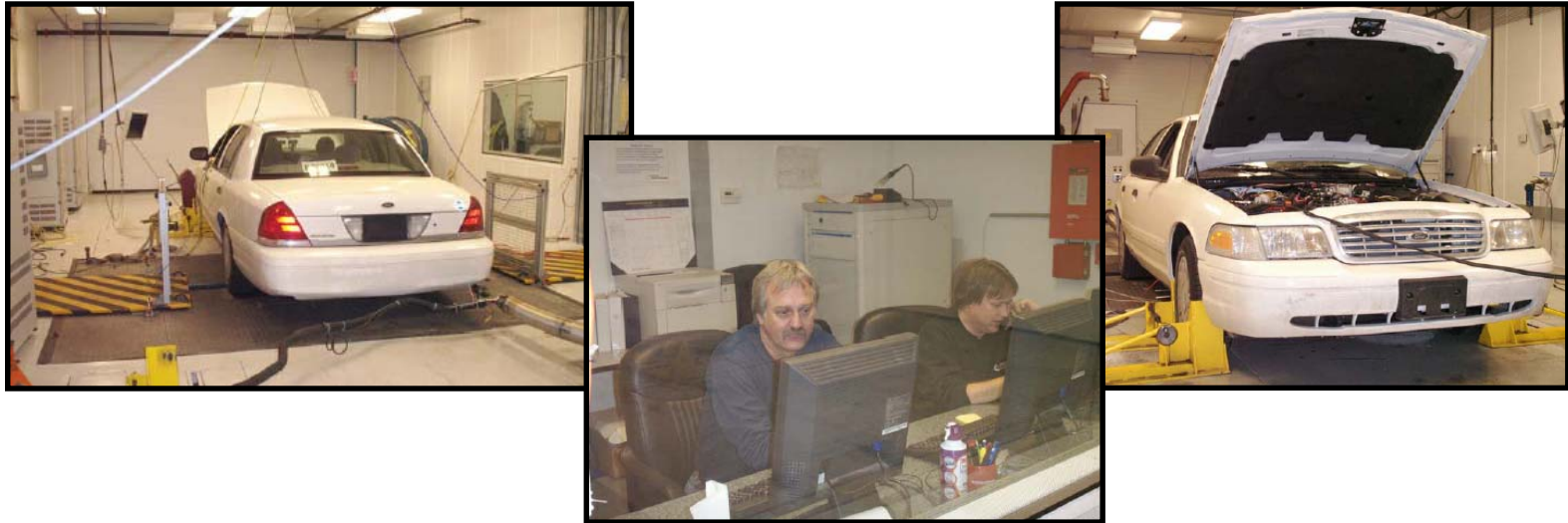
# BAF Technologies: Market Focus

4



# Alternative Fuel Systems: 2006 FORD CNG Crown Victoria

5



**CARB Certified - SULEV**

***“Destined to become the cleanest upfitted AFV ever!”***

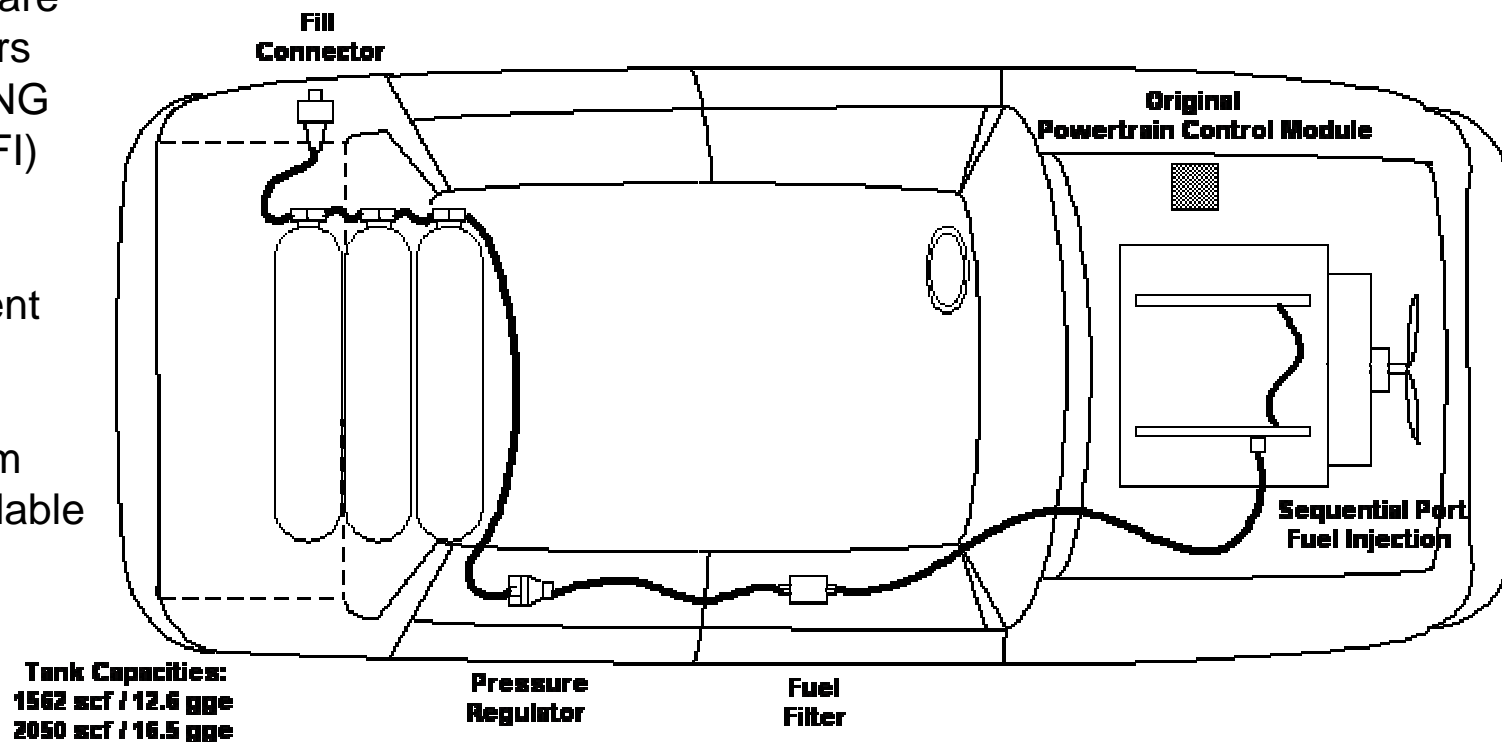
Official Tests at Engelhard laboratory in Michigan. Results measured NO<sub>x</sub> at .003, CO at .163 and THC at .117, all well below **SULEV!!!**

# Alternative Fuel Systems: 2006 FORD CNG Crown Victoria

6

- ✧ OEM computer reloaded with CNG calibration software
- ✧ Gasoline injectors replaced with CNG fuel injectors (SFI)
- ✧ CNG volume displayed using original instrument cluster-mounted gauge
- ✧ Complete system diagnostics available using OEM or generic scanner

## System Operation



# Alternative Fuel Systems: 2006 FORD CNG Crown Victoria

7

- ✧ CARB SULEV Certified
- ✧ Expect EPA Certification by March 06
- ✧ Orders Must Be Placed By 3/15/06



# Alternative Fuel Systems: FORD: Crown Victoria

8

## ✧ MY 2005-2006

- FORD 4.6L Crown Victoria
- Also includes:
  - Mercury Grand Marquis
  - Lincoln Town Car



...as long as the engine family is **6FMXV04.6VE8**





# Alternative Fuel Systems: FORD CNG Crown Victoria

9

## ✧ **Multi-Agency Contracts To Certify 2005-2006 FORD CNG Crown Victoria:**

- SCAQMD
- NYSERDA (New York State Energy, Research, and Development Authority)
- Clean Energy
- Teleflex/GFI
- Engelhard Laboratories



# BAF Technologies: Projects

10

## ✧ City of Dallas

- Upfitted 175 Crown Victoria Police Cruisers
- Clean Fuel Fleet  
EPA/CARB ULEV Certified
- Contract Completed 12/04



# Alternative Fuel Systems: GM: Dedicated (CNG/LPG)

11

## ✧ MY 2006

- GM 8.1L Engine
- C4500 and C5500
- Variety of Applications
- EPA/CARB Certified



# Alternative Fuel Systems: GM: Dedicated (CNG)

12

## ✧ MY 2006

- GM 6.0L Engine
- Chevy Express/GMC Savana
- Variety of Applications
- EPA/CARB Certified



# Alternative Fuel Systems: FORD: Dedicated (CNG/LPG)

13

## ✧ MY 2006

- FORD E450, 6.8L, V10
- Dedicated CNG/LPG
- EPA/CARB Certified



**TeleflexGFI**  
control systems

# Alternative Fuel Systems: Heavy-Duty: Dual-Fuel System

14

## ✧ Heavy-Duty

- Multiple Engines
  - Cummins ISM 11
  - International T444E
  - International DT466
- Dual-Fuel (Diesel/CNG)
- EPA Waiver





# Alternative Fuel Systems: FORD: Dedicated or Bi-Fuel

15

## ✧ MY 2006

- FORD F-150 & F-250
- Dedicated or Bi-Fuel  
LPG/CNG
- CARB/EPA Certified SULEV



**TeleflexGFI**  
control systems



# Alternative Fuel Systems: Service, Warranty And Training Support

16

## ※ **Vehicle Service**

- In-house warranty service program
- Dealer service provider
- Local retail service center

## ※ **Warranty**

- Up to 3 years or 36,000 miles on major components (Ford, GM)
- OEM component replacement for failures due to gaseous fuel on a properly maintained engine for the period remaining on the OEM warranty

## ※ **Training-Technical and Operator**

- On-site or BAF facility
- Classroom and hands-on

# Alternative Fuel Systems: How Do I Purchase An AFV?

17

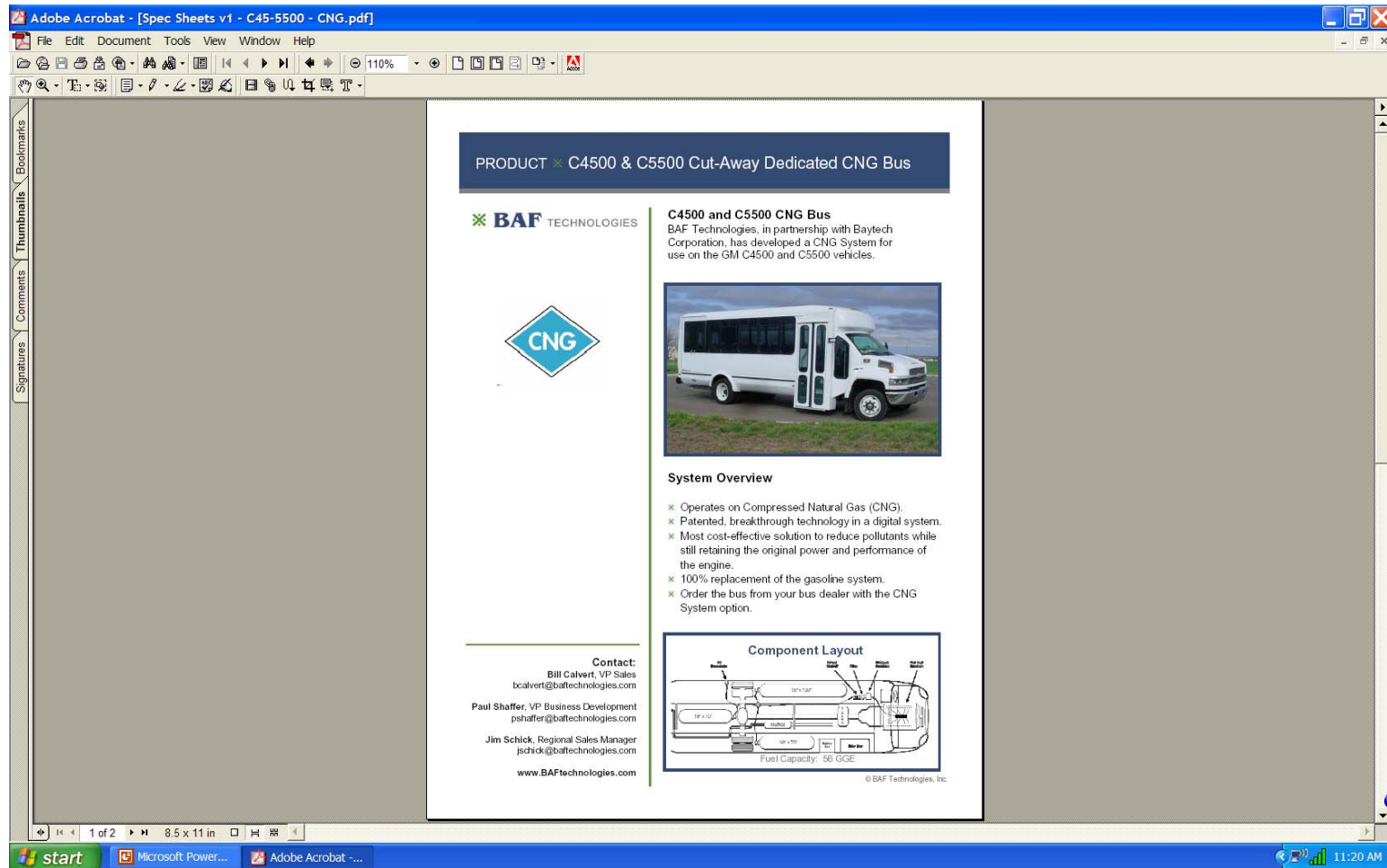
## ※ **BAF's Customer Is the Dealer**

### ※ **Contact Your Dealer:**

- Purchase the vehicle as normal except...
- Indicate either LPG or CNG
- If dealer indicates unavailability, BAF will work with dealer

# BAF Technologies: Products

18



# BAF Technologies: Contact Information

19

**John R. Bacon**

**President**

BAF Technologies

 214.231.1450

 [jbacon@BAFtechnologies.com](mailto:jbacon@BAFtechnologies.com)

**Bill Calvert**

**Vice-President**

BAF Technologies

 214.231.1450

 502.541.4855 (mobile)

 [bcalvert@BAFtechnologies.com](mailto:bcalvert@BAFtechnologies.com)



**BAF** TECHNOLOGIES

**Thank You**